

Docket No.
ISPH-0591

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Antisense Modulation of Microsomal Triglyceride Transfer Protein Expression

the specification of which

(check one)

☐ is attached hereto.

☒ was filed on July 30, 2001 as United States Application No. or PCT International Application Number 09/917,963

and was amended on _____

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

| | | | |
|-------------------|--------------------|---------------------------------|--------------------------|
| _____ (Number) | _____ (Country) | _____ (Day/Month/Year Filed) | <input type="checkbox"/> |
| _____ (Number) | _____ (Country) | _____ (Day/Month/Year Filed) | <input type="checkbox"/> |
| _____ (Number) | _____ (Country) | _____ (Day/Month/Year Filed) | <input type="checkbox"/> |

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

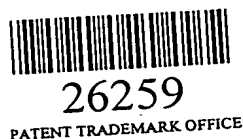
| | |
|--------------------------|---------------|
| _____ | _____ |
| (Application Serial No.) | (Filing Date) |
| _____ | _____ |
| (Application Serial No.) | (Filing Date) |
| _____ | _____ |
| (Application Serial No.) | (Filing Date) |

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

| | | |
|--------------------------|---------------|--------------------------------|
| _____ | _____ | _____ |
| (Application Serial No.) | (Filing Date) | (Status) |
| | | (patented, pending, abandoned) |
| _____ | _____ | _____ |
| (Application Serial No.) | (Filing Date) | (Status) |
| | | (patented, pending, abandoned) |
| _____ | _____ | _____ |
| (Application Serial No.) | (Filing Date) | (Status) |
| | | (patented, pending, abandoned) |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*



Herb Boswell, Reg. No. 27,311
 Laurel Spear Bernstein, Reg. No. 37,280
 Robert S. Andrews, Reg. No. 44,508
 April Logan, Reg. No. 33,950
 Neil S. Bartfeld, Reg. No. 39,901
 Kenneth H. Tarbet, Reg. No. 43,181
 Donna T. Ward, Reg. No. 48,271
 of the firm
 ISIS Pharmaceuticals, Inc.-Carlsbad Research Center
 2292 Faraday Avenue
 Carlsbad, California 92008

Send Correspondence to:

Direct Telephone Calls to: *(name and telephone number)*
 Jane Massey Licata or Kathleen A. Tyrrell - (856) 810-1515

| | |
|---|-----------------|
| Full name of sole or first inventor Rosanne M. Crooke | |
| Sole or first inventor's signature <i>Rosanne M. Crooke</i> | Date 12/5/01 |
| Residence Carlsbad, California | |
| Citizenship US | |
| Post Office Address 3211 Piragua Street | |
| Carlsbad, California 92009 | |

| | |
|---|------------------|
| Full name of second inventor, if any Mark J. Graham | |
| Second inventor's signature <i>Mark J. Graham</i> | Date 11/30/01 |
| Residence San Clemente, California | |
| Citizenship US | |
| Post Office Address 2305 S. Ola Vista | |
| San Clemente, California 92672 | |

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of) Group Art Unit: 1635
Crooke and Graham) Examiner: S. McGarry
Appln No. 09/917,963)
Filed: July 30, 2001)
For: ANTISENSE MODULATION OF)
MICROSOMAL TRIGLYCERIDE)
TRANSFER PROTEIN EXPRESSION)

Commissioner for Patents
Washington, D. C. 20231

POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST AND
REVOCATION OF PRIOR POWERS AND STATEMENT UNDER
37 CFR §3.73(b)

Sir:

As assignee of record of the entire interest of the
above-identified application, ISIS PHARMACEUTICALS, INC.
hereby revokes all powers of attorney previously given.

ISIS PHARMACEUTICALS, INC. hereby appoints the
following attorney(s) and/or agent(s) to prosecute and
transact all business in the United States Patent and
Trademark Office connected with the above-identified
application: Stanley B. Kita, Registration No. 24,561;
George A. Smith, Jr., Registration No. 24,442; Mary E.

Certificate of Mailing under 37 CFR Section 1.8

I hereby certify that this correspondence is being deposited with the United States
Postal Service with sufficient postage as first class mail in an envelope addressed to
Commissioner for Patents, Washington, DC 20231 on April 9, 2003.

Diana M. Waligun Date
Signature
Diana M. Waligun
Typed or Printed Name of Person Signing Certificate

Express Mail No. EU 531570482 US

Bak, Registration No. 31,215; Cathy A. Kodroff, Registration No. 33,980; William Bak, Registration No. 37,277; Tracy U. Palovich, Registration No. 47,840; all of the firm of HOWSON AND HOWSON, of Spring House, Pennsylvania; and

Herb Boswell, Registration No. 27311; Laurel S. Bernstein, Registration No. 37,280; Neil S. Bartfield, Registration No. 39,901; Matthew Grumbling, Registration No. 44,427; Donna T. Ward, Registration No. 48,271, all of ISIS PHARMACEUTICALS, INC., of Carlsbad, California.

Address all telephone calls to Mary E. Bak at telephone No. (215) 540-9206. Address all correspondence to HOWSON AND HOWSON, Spring House Corporate Center, Box 457, Spring House, Pennsylvania 19477.

ISIS PHARMACEUTICALS, INC. certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an assignment from the inventors.

The evidentiary documents relating to the ownership of the above-identified application and the invention claimed therein have been reviewed, and consist of an assignment of the above-identified United States Patent Application No. 09/917,963 from the inventors to ISIS PHARMACEUTICALS, INC. The assignment was recorded at Reel 012578, Frame 0209 on February 1, 2002 at the United States Patent and Trademark Office.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above, and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned is empowered to sign this certificate on behalf of the assignee. To the best of the undersigned's knowledge and belief, title is solely in the assignee ISIS PHARMACEUTICALS, INC.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made, are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, or any patent issuing thereon.

ISIS PHARMACEUTICALS, INC.

DATE 4/4/03

BY

B. Lynne Parshall
Executive Vice President